

### ABSTRACT

A method and system for responding to a request to establish a dial-up data session from a user terminal to a remote destination. Instead of initiating a dial-up data session, the user terminal will initiate a packet-data session with a translation node that serves the remote destination and will provide the translation node with information about initiating the dial-up data session. The translation node will then initiate circuit-data session with the remote destination and will bridge the packet-data session with the circuit-data session, so as to establish an end-to-end data session between the user terminal and the remote destination. Advantageously, by setting up a packet-data session between the user terminal and the translation node, the underlying data may be carried over an access link at a higher service level than would normally be provided for a circuit-data session carried over that access link. Further, this can be done transparently to a user.